



(19)

Europäisches Patentamt  
European Patent Office  
Office européen des brevets



(11)

EP 1 113 163 A3

(12)

## EUROPEAN PATENT APPLICATION

(88) Date of publication A3:  
09.01.2002 Bulletin 2002/02

(51) Int Cl.7: F02M 25/08

(43) Date of publication A2:  
04.07.2001 Bulletin 2001/27

(21) Application number: 00128191.4

(22) Date of filing: 21.12.2000

(84) Designated Contracting States:  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU  
MC NL PT SE TR  
Designated Extension States:  
AL LT LV MK RO SI

(72) Inventors:  
• Uchino, Masashi  
Tsurugashima-shi, Saitama 350-2214 (JP)  
• Nakano, Masaru  
Sayama-shi, Saitama 350-1315 (JP)

(30) Priority: 19.12.2000 JP 2000386086  
28.12.1999 JP 37515199

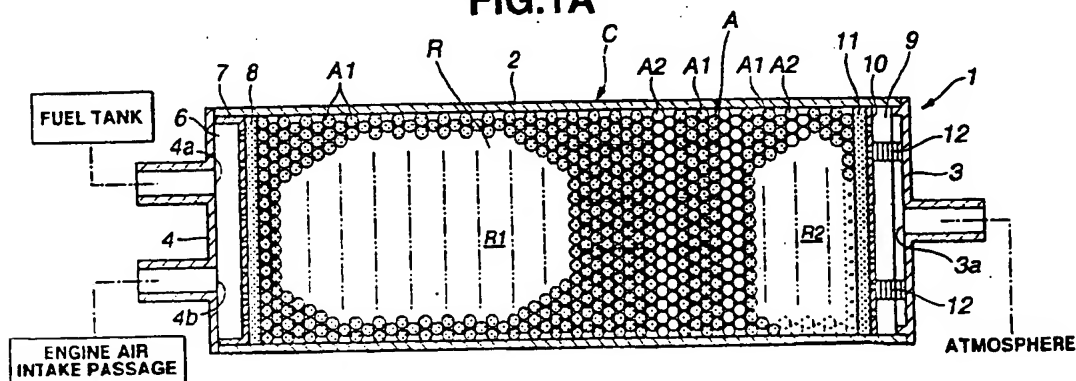
(74) Representative:  
Grünecker, Kinkeldey, Stockmair &  
Schwanhäusser Anwaltssozietät  
Maximilianstrasse 58  
80538 München (DE)

(54) Fuel vapor treatment canister

(57) A fuel vapor treatment canister for controllably storing and releasing fuel vapor from a fuel tank and the like of an automotive vehicle. The fuel vapor treatment canister comprising a casing having first and second end walls between which an inside space is formed. The first end wall has a first opening in communication with a fuel tank, and a second opening in communication with an air intake passage of an engine. The second end wall has a third opening in communication with the atmosphere. The inside space includes first and second cham-

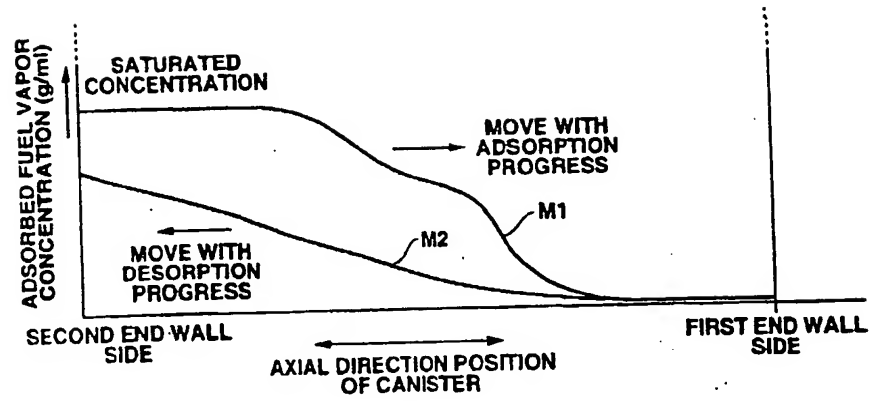
bers. The first chamber is located closer to the first end wall than the second chamber. A partition wall is disposed to divide the inside space into the first and second chambers. The partition wall structure has an air permeability and a heat insulating ability higher than that of metal. A first fuel vapor adsorbing material is disposed in the first chamber. A second fuel vapor adsorbing material and a heat-accumulative material are disposed in the second chamber. The heat-accumulative material is larger in specific heat than the second fuel vapor adsorbing material.

FIG.1A



EP 1 113 163 A3

FIG.1B



**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 00 12 8191

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on  
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

15-11-2001

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5914457	A	22-06-1999	JP 9021360 A	21-01-1997
JP 10339218	A	22-12-1998	NONE	
JP 09112356	A	28-04-1997	NONE	
JP 07293365	A	07-11-1995	NONE	
JP 01036961	A	07-02-1989	NONE	
US 5992397	A	30-11-1999	NONE	

EPC FORM 0049

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82